

IN THE CLAIMS:

MARKED UP VERSION OF THE AMENDED CLAIMS (Version with marking to show changes made)

1. (currently amended) Medical treatment apparatus with a hand piece (1) equipped with an ultrasound vibration generator and a sonotrode (3) attached to the hand piece (1), characterized in that an adaptation sleeve (10) can be slid over the sonotrode (3) of the medical treatment apparatus and wherein the adaptation sleeve (10) can be attached at the hand piece (1), wherein the adaptation sleeve (10) is equipped with a connector (12, 13) for receiving ~~[[the]]~~ a suction ~~[[tube]]~~ hose (14).

2. (currently amended) Medical treatment apparatus according to claim 1 character as in that a separator (15) is furnished between the suction ~~[[unit]]~~ apparatus (A) and the suction hose (14).

3. (currently amended) Medical treatment apparatus according to claim 1 characterized in that ~~[[the]]~~ a suction tube (11) out of an opaque or transparent material is plugged onto the front end of the adaptation sleeve (10).

4. (currently amended) Medical treatment apparatus according to claim 1 characterized in that ~~[[the]]~~ a treatment face (18) of the sonotrode (3) is disposed clearly outside of the front edge of the suction tube (11).

5. (original) Medical treatment apparatus according to claim 1 characterized in that the apparatus is set for frequency region of from 5 kHz to 60 kHz and preferably from 15 kHz to 30 kHz.

6. (currently amended) Medical treatment apparatus according to claim 1 for the treatment of septic wounds and/or debridement comprising the ~~[[an]]~~ ultrasound generator, the ~~[[a]]~~ hand piece and the ~~[[a]]~~ sonotrode attached at the hand piece, ~~characterized in that~~ wherein the ultrasound generator operates according to the piezo ceramic principle.

7. (currently amended) Medical treatment apparatus according to claim 6 characterized in that an adaptation sleeve (10) can be slid over the sonotrode (3) of the medical treatment apparatus and wherein the adaptation sleeve (10) can be attached at the hand piece (1), wherein the adaptation sleeve (10) is equipped with a connector (12, 13) for receiving of a suction ~~[[tube]]~~ hose (14).

8. (currently amended) Medical treatment apparatus according to claim 6 characterized in that a separator (15) is furnished between the suction ~~[[unit]]~~ apparatus (A) and the suction ~~[[tube]]~~ hose (14).

9. (currently amended) Medical treatment apparatus according to claim 6 characterized in that a suction tube out of an opaque or a transparent material is plugged onto the ~~from and~~ front end of the adaptation sleeve (10).

10. (currently amended) Medical treatment apparatus according to claim 6 characterized in that ~~[[the]]~~ a treatment surface (18) of the sonotrode (3) is disposed clearly outside the front edge of the suction tube (11).

11. (original) Medical treatment apparatus according to claim 6 characterized in that the apparatus is set for frequency region from 5 kHz to 60 kHz and preferably from 15 kHz to 30 kHz.

12. (currently amended) Medical treatment apparatus according to claim 1 for the treatment of septic wounds and/or debridement comprising

[[an]] the ultrasound generator, [[a]] the hand piece and [[a]] the sonotrode attached to the hand piece ~~characterized in that~~ , wherein the ultrasound generator operates according to the magneto strictive principle.

13. (currently amended) Medical treatment apparatus according to claim 12, characterized in that an adaptation sleeve (10) can be slid over the sonotrode (3) of the medical treatment apparatus and wherein the adaptation sleeve (10) can be attached at the hand piece (1), wherein the adaptation sleeve (10) is equipped with a connector (12, 13) for receiving of a suction [[tube]] hose (14).

14. (currently amended) Medical treatment apparatus according to claim 12 characterized in that a separator (15) is furnished between the suction ~~unit (8)~~ apparatus (A) and the suction hose (14).

15. (original) Medical treatment apparatus according to claim 10 characterized in that a suction tube out of opaque or transparent material is plugged onto the front end of the adaptation sleeve (10).

16. (currently amended) Medical treatment apparatus according to claim 12, characterized in that ~~the treat~~ a treatment surface (18) of the sonotrode (3) is disposed clearly outside of the front edge of the suction tube (11).

17. (original) Medical treatment apparatus according to claim 12, characterized in that the apparatus is set for frequency region of from 5 kHz to 60 kHz and preferably from 15 kHz to 30 kHz.

NEW CLAIMS:

18. (new) A medical treatment apparatus comprising a hand piece (1) including an ultrasound generator, an electrical connection means (4) for feeding electrical energy to the ultrasound generator of the hand piece, and a connector (5) for connecting a line to a storage container for a medical flushing liquid; a sonotrode (3) having a tip and attached to the hand piece (1); a channel disposed within the sonotrode for feeding a medical flushing liquid to the tip of the sonotrode; an adaptation sleeve (10), wherein the adaptation sleeve is slid over the sonotrode (3) and attached to the hand piece (1); a receiver part (12) disposed at the adaptation sleeve (10); a hose connection (13) disposed at the receiver part (12); a suction hose (14) attached to the hose connection (13) of the adaptation sleeve (10); a suction tube (11) attached to the adaptation sleeve (10); a flushing line (6) for flushing healing agents to the tip of the sonotrode, wherein the flushing line is aligned relative to an axis of symmetry of the hand piece; a valve (7) disposed in the flushing line (6).

19. (new) The medical treatment apparatus according to claim 18, wherein the tip of the sonotrode (3) is disposed clearly outside of the front edge of the suction tube (11).

20. (new) The medical treatment apparatus according to claim 19, characterized in that a treatment surface (18) of the tip of the sonotrode (3) and the front edge of the suction tube (11) are inclined and aligned with each other.

21. (new) The medical treatment apparatus according to claim 20, wherein the treatment surface (18) of the tip of the sonotrode (3) is polished.

22. (new) The medical treatment apparatus according to claim 18, wherein the adaptation sleeve (10) screwed on the front region of the hand piece.

23. (new) The medical treatment apparatus according to claim 18, wherein the adaptation sleeve (10) can be plugged or can be connected by way of a clamping cone or by a bayonet catch disposed in a front region of the hand piece.

24. (new) The medical treatment apparatus according to claim 18, wherein the receiver part (12) with the hose connection (13) is disposed at the side of the adaptation sleeve (10) and inclined relative to the axial of symmetry of the adaptation sleeve.

(page 7, second paragraph)

25. (new) The medical treatment apparatus according to claim 18, wherein the suction tube (11) is made out of an opaque or transparent material and is plugged onto the front end of the adaptation sleeve (10) or can be connected by way of a clamping cone or by a bayonet catch on the front region of the hand piece.

26. (new) The medical treatment apparatus according to claim 18, wherein a first end of the flushing line (6) after the valve (7) is connected to the channel of the sonotrode (3) and a second end of the flushing line (6) is ending by the connector (5) for connecting the line to a storage container for healing agent.

27. (new) A medical treatment apparatus comprising a hand piece (1) including an ultrasound generator, and a hose connection (13); a hose (14), wherein the first end on the hose is inserted into the hose connection (13) at the hand piece; a separator (15), wherein the second end of the hose is inserted into the separator; a suction apparatus (A); a connector (17) disposed at the suction apparatus (A); a connection tube (16), wherein the connection tube connects the separator (15) and the connector (17) of the suction apparatus (A).

28. (new) The medical treatment apparatus according to claim 27, further comprising a main filter disposed in the suction apparatus (A).

29. (new) The medical treatment apparatus according to claim 27, wherein the separator (15) is a conventional water trap or a HEPA-filter.

30. (new) The medical treatment apparatus according to claim 27, wherein the ultrasound generator operates according to the piezo ceramic principle and is set for frequency region of from 5 kHz to 60 kHz .

31. (new) The medical treatment apparatus according to claim 27, wherein the ultrasound generator operates according to the magneto-strictive principle is set for frequency region of from 5 kHz to 60 kHz .

32. (new) A medical treatment apparatus comprising a hand piece (1) including an ultrasound vibration generator; a sonotrode (3) attached to the hand piece (1); an adaptation sleeve (10) adapted to be slid over the sonotrode (3) of the medical treatment apparatus and wherein the adaptation sleeve (10) is attachable at the hand piece (1); a connector (12, 13) disposed at the adaptation sleeve (10) and for connecting a suction hose (14).

REMARKS

Claims 1 through 17 continue to be in the case.

New claims 18 through 32 are being submitted.

New claim 18 is based on the language of claim 1 and on the specification as follows: page 6, second paragraph; page 4, first paragraph; page 7, second paragraph; page 6, second paragraph; and Fig. 4.